

- * Class will get to know each other, the teacher, and procedures (build community)
- * SWBAT use the scientific method to create an experiment, to be recorded in a Vee Chart.

Sep 6-2:31 PM

Welcome!!!
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SECA Physics
Wednesday 10 September 2014

- * Find your Vee chart at the back

New people?



Opening Activity:

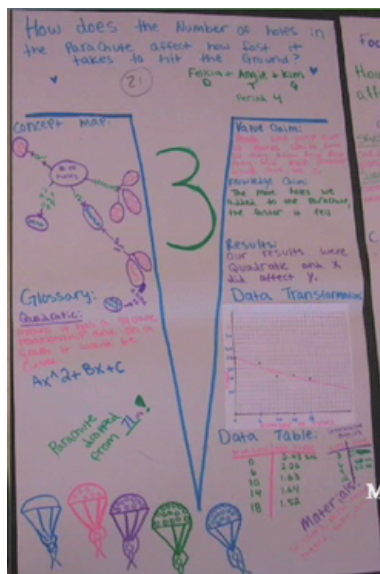
http://www.youtube.com/watch?v=7SjX7A_FR6g

What are some things that should be kept the SAME every time you do your experiment?

Centering

Sep 7-7:04 AM

The Vee Chart:
Shows what we found out from an experiment.



Sep 9-7:20 AM

Step by step procedure...

What did we come up with?

3RD HR

- SET RAMP ON BOOK(S) ON FLOOR
- MEASURE HEIGHT OF RAMP
- WEIGH THE TOY CAR
- SET TOY CAR where? ON RAMP AND RELEASE
- MEASURE FROM END OF RAMP TO ?
- RECORD RESULTS
- REPEAT x2
- CHANGE
- REPEAT STEPS ?2-?5 3X

Sep 12-7:42 AM

3. MATERIALS · DIAGRAM Step by step procedure...

What did we come up with?

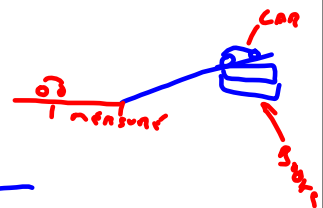
- 3RD HR
- [- SET RAMP ON BOOK(S) ON FLOOR
 - [- MEASURE HEIGHT OF RAMP]
 - [- WEIGH THE TOY CAR]
 - SET TOY CAR where? ON RAMP AND RELEASE
 - MEASURE FROM END OF RAMP TO ?
 - RECORD RESULTS
 - REPEAT X2
 - CHANGE
 - REPEAT STEPS ?2-?5 3X

Sep 12-7:42 AM

3. Step by step procedure...

What did we come up with?

- MATERIALS
CAR
BOOKS
RAMP
...
- DIAGRAM
- SET UP RAMP
 - [- WEIGH EMPTY CAR]
 - SET CAR ON RAMP where? & LET IT GO
 - MEASURE DISTANCE FROM END OF RAMP TO ?
 - ? REPEAT
 - RECORD RESULTS
 - CHANGE ^{ADD ? PENNIES & WEIGH} SANDPAPER
 - REPEAT STEPS X3



Sep 12-7:42 AM

Project Vee Chart

- Part 1: Write down your question
How DOES _____ AFFECT HOW FAR A TOY CAR TRAVELS PAST THE END OF THE RAMP?
- Part 2: Concept Map
I THINK AS... BECAUSE... I NOTICED...
- Part 3: Methods and Materials
- MATERIALS - STEP BY STEP - DIAGRAM
- Part 4: Data
- TABLE W/ UNITS - MORE DATA \Rightarrow BETTER!
OBSERVED
- Part 5: Graph
- LABELS
- UNITS
YOU CHANGED
- Part 6: Results
- ODD DATA EXPLAINED - DESCRIPTION - LINE? - UP/DN/FLAT? - CURVE? - REACH LIMIT?
- Part 7: Knowledge Claim
- ANSWER TO Q - DATA / #S TO SUPPORT - BETTER NEXT TIME?
- Part 8: Value Claim
- WHO WOULD CARE - WHY? X2
- Part 9: Glossary
 - \hookrightarrow MAYBE "NONE"?
 - \hookrightarrow VELOCITY, GRAVITY, REACTION,?
 - BOOK GLOSSARY

Jan 26-7:43 AM

CP Homework:

Who might care about the kind of information you found in your experiment and why? (Can't be scientists, teachers, students; has to be a company/group/org that would pay scientists to investigate.)

Sep 8-8:13 AM